

an end-winding integrally formed with the winding;

a jet impingement device operable for exposing the end-winding to a temperature controlled stream of fluid, the jet impingement device including a jet nozzle oriented to direct the temperature controlled stream onto an exterior surface of the end-winding.

8. (Amended) A method for transferring heat between a stream of fluid impinging a surface of an electric motor end-winding of an electric motor, comprising:

controlling the temperature of a volume of fluid;

establishing a stream of fluid from the volume of fluid to an inlet;

delivering a jet stream of the temperature controlled fluid from the inlet to the end-winding such that heat is transferred between the surface of the end-winding and the jet stream of fluid impinging the surface of the end-winding; and

removing fluid from the electric motor via an outlet.

12. (Amended) An electric motor, comprising:

a housing;

a stator disposed within the housing, the stator operable for generating a magnetic field;

a rotor disposed within the housing, the rotor operable for receiving the magnetic field and generating a torque;

a winding operatively connected to the stator;

an end-winding comprising the ends of the stator winding, integrally formed with the stator winding;

a jet impingement device operable for exposing the end-winding to a temperature controlled jet stream of fluid.

REMARKS/Arguments

This is a Response to the Office Action mailed 10 December 2002, in which a three (3) month Shortened Statutory Period for Response has been set, due to expire 10 March 2003. There were three (3) independent claims and a total of eighteen (18) claims paid for in the